



01-008

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**BALL ASSIGNMENT FOR BALL GRID ARRAY PACKAGE**

the specification of which is attached hereto, unless the following box is checked:

[X] which was filed on 2001.04.27  
and assigned serial number 09/844,530

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §§ 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or PCT international application having a filing date before that of the application on which priority is claimed:

<u>Application number</u>	<u>Country</u>	<u>Filing date</u>	Priority claimed <input type="checkbox"/>	Certified Copy <input type="checkbox"/>
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I hereby claim the benefit under 35 U.S.C. § 199(e) of any United States Provisional application listed below:

<u>Application number</u>	<u>Filing date</u>
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I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

<u>Application number</u>	<u>Filing date</u>	<u>Patent number, if applicable</u>
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01-008

I hereby appoint the following attorneys, with full power of substitution and revocation, to prosecute this application and any other applications based thereon and to transact all business in the United States Patent and Trademark Office and any other competent international authorities in connection therewith:

ATTORNEY	REG. #	ATTORNEY	REG. #
Andrew S. Neely	28,979	Mark P. Crockett	47,507
Mark S. Graham	32,355	J. David Gonce	47,601
Robert O. Fox	34,165	Michael T. Lukon	P-48,164
David E. LaRose	34,369	Pete P. Scott	33,279
Geoffrey D. Kressin	28,730	Leo J. Peters	33,562
Michael E. Sellers	39,831	Timothy Croll	36,771
Rick Barnes	39,596	Sandeep Jaggi	43,331
Jason L. Hornkohl	44,777		

and request that all correspondence and telephone calls in respect to this application be directed to:

**CUSTOMER NUMBER 24,319**

**LSI LOGIC CORPORATION**  
Intellectual Property Department  
1551 McCarthy Boulevard, MS D-106  
Milpitas CA 95035

Phone 1.408.433.6404  
Fax 1.408.433.7770

Attorney docket: 01-008

I hereby authorize the attorneys named herein to accept and follow instructions from **LSI Logic Corporation** as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the attorneys and myself. I hereby waive any right to revoke such power of attorney and appoint substitute attorneys, and grant all such powers to **LSI Logic Corporation**.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Full name of inventor:

Leah M. Miller

7/7/2003  
Date

Leah M. Miller  
Inventor's signature

Residence:  
Post Office Address:  
Citizenship:

3342 Sanderling Drive, Fremont CA 94555  
3342 Sanderling Drive, Fremont CA 94555  
United States of America

01-008

Full name of inventor:

Farshad Ghahghahi

7/7/03

Date

Farshad Ghahghahi

Inventor's signature

Residence:

23465 Belaire Court, Los Gatos CA 95033

Post Office Address:

23465 Belaire Court, Los Gatos CA 95033

Citizenship:

United States of America

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Full name of inventor:

Edwin M. Fulcher

Date

7/7/03

Inventor's signature



Residence:

745 La Para Avenue, Palo Alto CA 94306

Post Office Address:

745 La Para Avenue, Palo Alto CA 94306

Citizenship:

United States of America



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Miller, Ghahghahi, & Fulcher  
Serial Number: 09/844,530  
Filed: 2001.04.27  
Title: Ball Assignment for Ball Grid Array Package  
Attorney Docket: 01-008

## CONSENT OF ASSIGNEE TO ADD INVENTOR UNDER 37 CFR 1.48(A)(5)

LSI Logic Corporation, a corporation of Delaware, having a place of business at 1551 McCarthy Boulevard, Milpitas CA 95035, assignee of the above referenced patent application as evidenced by an assignment executed on 2001.04.24 and 2001.04.25, a copy of which is provided herewith, hereby consents to the addition of Edwin M. Fulcher as an inventor in the above-referenced patent application.

LSI Logic Corporation

6/27/01

Date

By: Sandeep Jaggi, Chief IP Counsel

Assistant Corporate Secretary

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## ASSIGNMENT

01-008

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned, do hereby sell, assign, and transfer to:

Assignee name: LSI Logic Corporation, a Delaware corporation  
 Assignee address: 1551 McCarthy Boulevard, Milpitas CA 95035

its successors, assigns, and legal representatives (collectively referred to as "Assignee"), the entire right, title and interest for the United States and all foreign countries, in and to any all inventions and improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith unless the box below is checked,

☐ which was filed on: \_\_\_\_\_  
 and assigned serial number: \_\_\_\_\_

and is entitled:

**Ball Assignment for Ball Grid Array Package**

and in and to the application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on the improvements; and in and to all rights of priority resulting from the filing of the United States application; and

Agree that the Assignee may apply for and receive Letters Patent for the improvements in its own name; and that, when requested, without charge to, but at the expense of, the Assignee, to carry out in good faith the intent and propose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all the improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to the improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for the improvements and for vesting title to the improvements and all applications to patents and all patents on the improvements, in the Assignee; and

Covenant with the Assignee that no assignment, grant mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Leah M. Miller  
 Leah M. Miller

[Signature]  
 Witness signature

Witness address  
 LSI Logic Corporation  
 Intellectual Property  
 Corporate Legal Department  
 1551 McCarthy Blvd., MS D-106  
 Milpitas, California 95035

4/24/2001  
 Date

Mark Salvatore  
 Witness name

Farshad Ghahghahi  
 Farshad Ghahghahi

[Signature]  
 Witness signature

Witness address  
 LSI Logic Corporation  
 Intellectual Property  
 Corporate Legal Department  
 1551 McCarthy Blvd., MS D-106  
 Milpitas, California 95035

4/25/2001  
 Date

Wendy Taylor  
 Witness name

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Miller, Ghahghahi, & Fulcher  
Serial Number: 09/844,530  
Filed: 2001.04.27  
Title: Ball Assignment for Ball Grid Array Package  
Attorney Docket: 01-008

## REQUEST TO CORRECT INVENTORSHIP UNDER 37 CFR 1.48(A)

Mail Stop Issue Fee  
Commissioner For Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

*Via Fax at: 1.703.746.4000*

Sir:

The inventive entity of the above-referenced application having been set forth in error in the previously filed declaration, applicants hereby request correction of the inventorship pursuant to 37 CFR 1.48(a)(1).

**Applicants hereby request the addition of Edwin M. Fulcher as an inventor.**

Thus, the corrected inventive entity comprises:

Leah M. Miller  
Farshad Ghahghahi  
Edwin M. Fulcher

Enclosed herewith is:

1. This request under 37 CFR 1.48(a)(1),
2. A statement from Edwin M. Fulcher under 37 CFR 1.48(a)(2),
3. A declaration under 37 CFR 1.48(a)(3),
4. Written consent of the assignee under 37 CFR 1.48(a)(5), and
5. Authorization for the processing fee as set forth in 37 CFR 1.17(i).

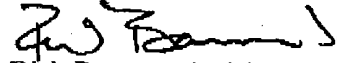
The undersigned attorney hereby authorizes the fee of \$130 to be charged to the LSI Logic Corporation deposit account 12-2252. If any other fees are due with respect to this request, such additional fees may also be charged to the deposit account.

01-008

Sincerely,

LUEDEKA, NEELY & GRAHAM, P.C.

By:

  
Rick Barnes, 39,596

2003.07.08

P.O. Box 1871  
Knoxville TN 37901  
T:1.865.546.4305  
F:1.865.934.0444  
RBarnes@LNG-Patent.com

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I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office in accordance with § 1.6(d) on the date below.

2003.07.08

Date



Rick Barnes, 39,596

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Miller, Ghahghahi, & Fulcher  
Serial Number: 09/844,530  
Filed: 2001.04.27  
Title: Ball Assignment for Ball Grid Array Package  
Attorney Docket: 01-008

## STATEMENT OF ADDED INVENTOR UNDER 37 CFR 1.48(A)(2)

I, Edwin M. Fulcher, hereby declare that the inventive entity of the above referenced patent application as set forth in a declaration executed on 2001.04.24 and 2001.04.25 was in error in that I was not included in said inventive entity, and that such error arose without any deceptive intention on my part.

Date

7/7/03

  
Edwin M. Fulcher

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